



SPYWOLF

Security Audit Report



Completed on
March 2, 2023

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SPYWOLF.CO





OVERVIEW

This audit has been prepared for **Decentralized Finance AI** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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Decentralized Finance With AI

PROJECT DESCRIPTION

According to their website:

"DeFi AI is a project that uses AI technology to solve the problems of Decentralized Finance and provides an easy way to earn money from crypto. DeFi AI services – (Predictive Analysis, Auto Trading, Risk Management, Portfolio Management, Personal Advice)"

Release Date: Presale starts on March 4, 2023

Category: AI



CONTRACT INFO

Token Name

Decentralized Finance AI

Symbol

DeFiAI

Contract Address

0x366A1366185b4b87ECDBDA733623e94f3Cf9F268

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Mar 1, 2023

Verified?

Yes

Total Supply

1,000,000,000 DeFiAI

Status

Not launched

TAXES

Buy Tax

3%

Sell Tax

3%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	9
Uniq Senders	3
Uniq Receivers	4
Total Amount	4000000000 DeFiAI
Median Transfer Amount	100000000 DeFiAI
Average Transfer Amount	444444444.4444444 DeFiAI
First transfer date	2023-03-01
Last transfer date	2023-03-02
Days token transferred	2

SMART CONTRACT STATS

Calls Count	28
External calls	19
Internal calls	15
Transactions count	4
Uniq Callers	2
Days contract called	1
Last transaction time	2023-03-02 07:00:38 UTC
Created	2023-03-01 12:36:34 UTC
Create TX	0x699c7e474ce6046bcbbe017989438c206700f96f5df26455421734dcc7d7dbe8
Creator	0x4ef6669f4da786058b9acfb255594359cc979622



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.



Informational

Owner can withdraw BNB from the contract.

When auto swap is present in smart contract, the contract accumulate tokens from fees (if any) of each transaction and sell them for BNB. Then the BNB is auto distributed to predefined wallet or it accumulates in the smart contract and owner can request it on-demand.

```
function ReceiveStuckBNB() external onlyOwner {  
    payable(owner()).transfer(address(this).balance);  
}
```

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeFromFees(address account, bool excluded) public onlyOwner {  
    _isExcludedFromFees[account] = excluded;  
    emit ExcludeFromFees(account, excluded);  
}
```



Informational

Owner can set buy and sell fees up to 5%.
Combined buy+sell=10%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make. Deducted amount will be as much as the fees % from total amount that user had bought, sold or transferred.
Most of the tokens do not apply fees on transfers alone, but if they do this will be described in the above mentioned fees information.

```
function updateBuyFees(  
    uint256 _newFee  
) external onlyOwner {  
    buyFee = _newFee;  
    emit BuyFeeUpdated(buyFee);  
    require(buyFee <= 5, "Must keep fees at 5% or less");  
}  
  
function updateSellFees(  
    uint256 _newFee  
) external onlyOwner {  
    sellFee = _newFee;  
    emit SellFeeUpdated(sellFee);  
    require(sellFee <= 5, "Must keep fees at 5% or less");  
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

DeFi AI

GOOD PRACTICES FOUND

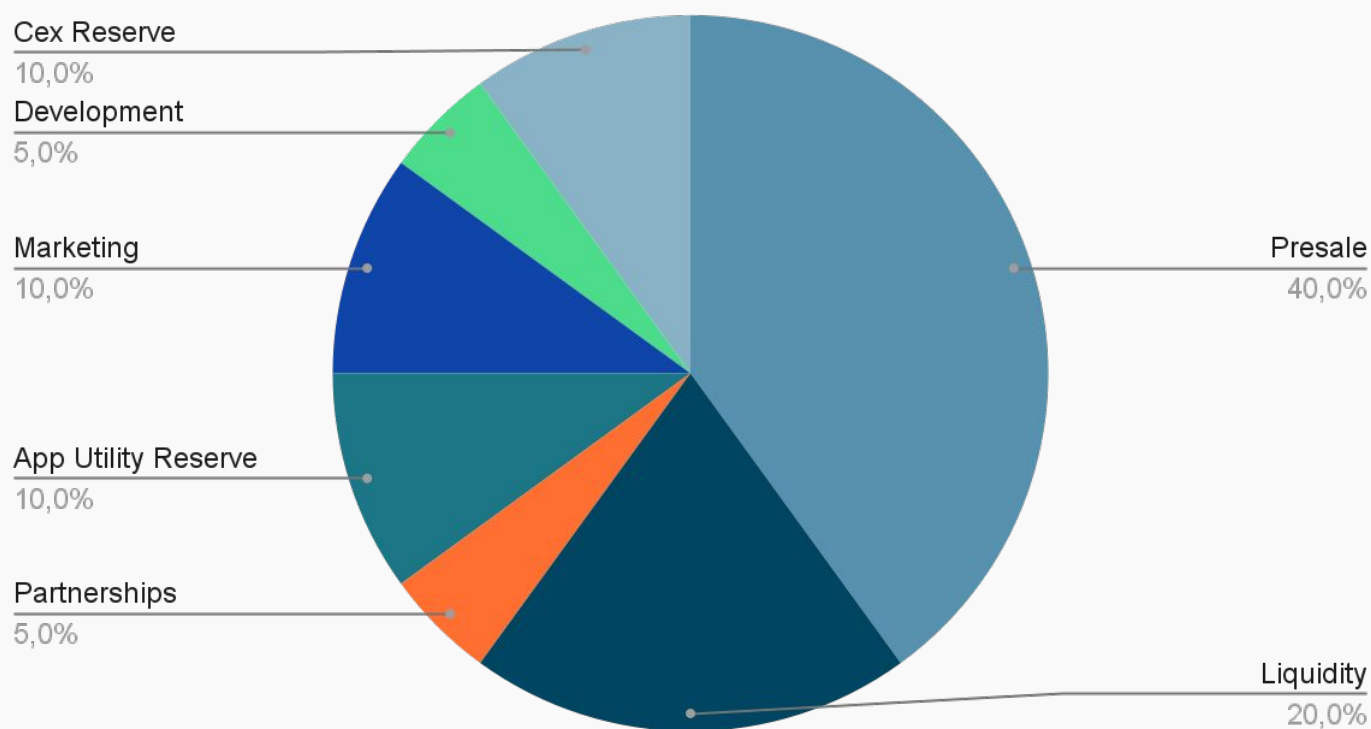
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



Initial tokens distribution according to Pinksale's presale page:

- 40% - Presale
- 20% - Liquidity
- 5% - Partnerships
- 10% - App Utility Reserve
- 10% - Marketing
- 5% - Development
- 10% - Cex Reserve

Tokens distribution



For more information about the lock periods check Pinksale's presale page:

<https://www.pinksale.finance/launchpad/0x3D8Bd100e093BcabB47A097C100216Bf80D9684A?chain=BSC>

TOKENOMICS



THE TEAM

! The team is anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://defi-ai.io/>

Domain Registry

<http://www.hostinger.com>

Domain Expiration

Expires on 22024-02-28

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Very nice color scheme and overall layout.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found

Whitepaper

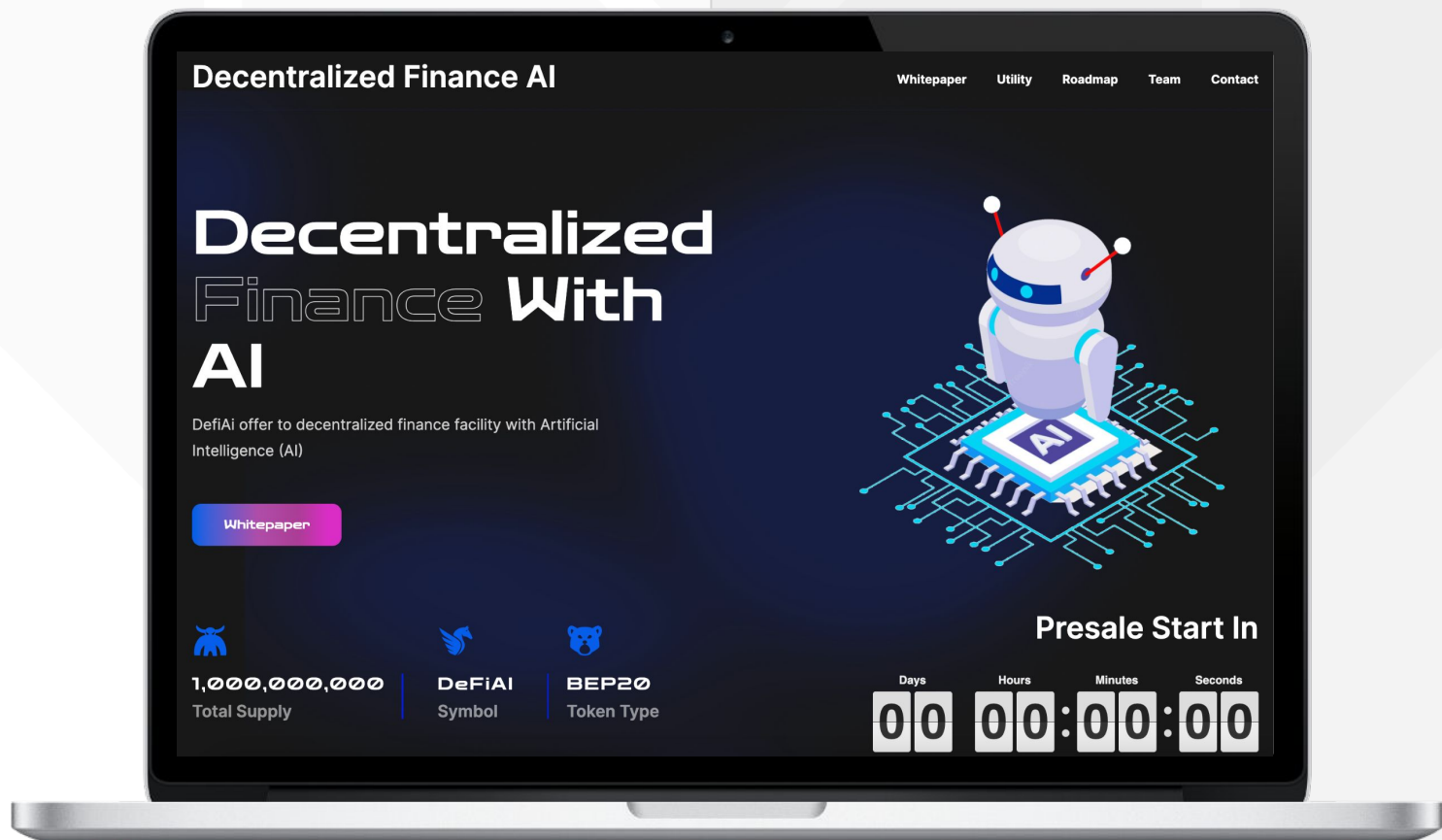
Yes

Roadmap

Yes, goals set without time frames.

Mobile-friendly?

Yes



defi-ai.io

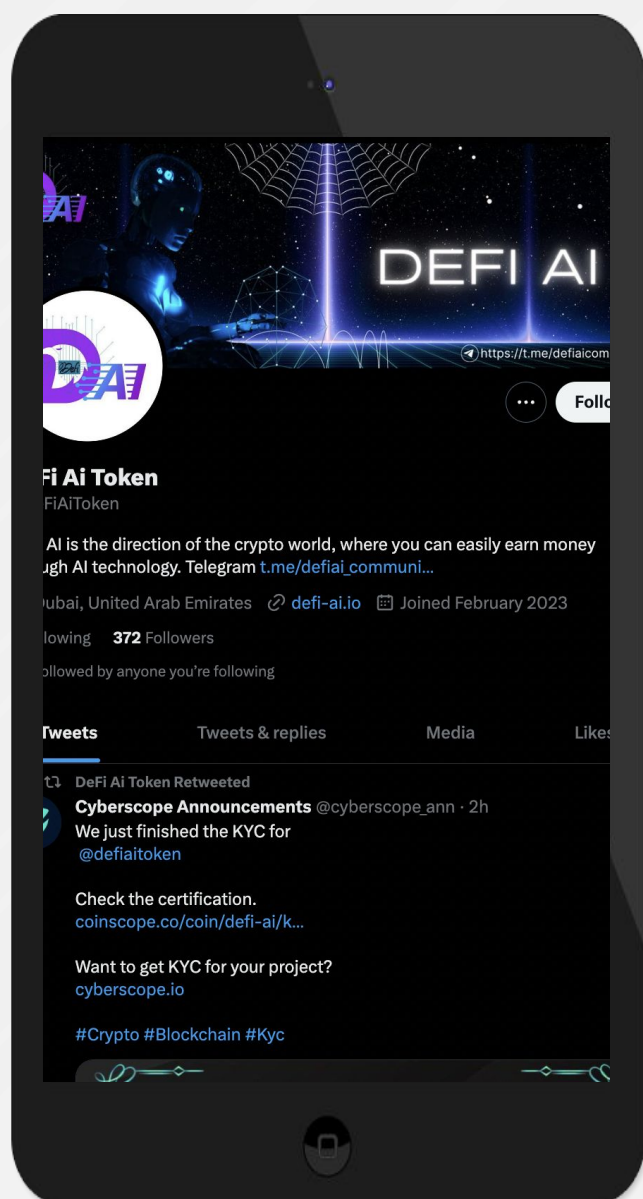


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

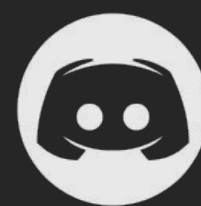
Project's social media pages are new but active.



Twitter

@defiaitoken

- 372 followers
- 3 posts total



Discord

- Not available



Telegram

@defiai_community

- 1610 members
- Active members and mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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- ✓ MORE THAN 500 SCAMS EXPOSED
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- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

To hire us, reach out to
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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.